

R
737
U5s
1973
Nov.



REPORT 19M

U.S. NATIONAL INSTITUTES OF HEALTH

NEW GRANTS AND AWARDS

Arranged by State, City and Institution

Announced During

NOVEMBER 1973

U.S. DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE
Public Health Service

R

137

15s

973

Nov.

PREPARED BY
NATIONAL INSTITUTES OF HEALTH
DIVISION OF RESEARCH GRANTS
STATISTICS AND ANALYSIS BRANCH

CONTENTS

SYMBOLS USED TO IDENTIFY THE SUPPORTING INSTITUTE OR DIVISION	V
SUMMARY OF NEW GRANTS AND AWARDS, BY PROGRAM AND SUPPORTING INSTITUTE OR DIVISION	VII
NEW RESEARCH GRANTS, BY AREA, INSTITUTION AND PRINCIPAL INVESTIGATOR	1
NEW RESEARCH CONTRACTS, BY AREA, INSTITUTION AND PROJECT DIRECTOR	9

SYMBOLS USED TO IDENTIFY THE SUPPORTING INSTITUTE OR DIVISION

AI NATIONAL INSTITUTE OF ALLERGY AND INFECTIOUS DISEASES
AM NATIONAL INSTITUTE OF ARTHRITIS AND METABOLIC DISEASES
CA NATIONAL CANCER INSTITUTE
CB DIVISION OF CANCER BIOLOGY AND DIAGNOSIS
CN OFFICE OF CANCER CONTROL
CM DIVISION OF CANCER TREATMENT
CP DIVISION OF CANCER CAUSE AND PREVENTION
CL CLINICAL CENTER
CT DIVISION OF COMPUTER RESEARCH AND TECHNOLOGY
DE NATIONAL INSTITUTE OF DENTAL RESEARCH
ES NATIONAL INSTITUTE OF ENVIRONMENTAL HEALTH SCIENCES
EY NATIONAL EYE INSTITUTE
GM NATIONAL INSTITUTE OF GENERAL MEDICAL SCIENCES
HD NATIONAL INSTITUTE OF CHILD HEALTH AND HUMAN DEVELOPMENT
HL NATIONAL HEART AND LUNG INSTITUTE
HV DIVISION OF HEART AND VASCULAR DISEASES
HB DIVISION OF BLOOD DISEASES AND RESOURCES
HT DIVISION OF TECHNOLOGICAL APPLICATION
HR DIVISION OF LUNG DISEASES
HI DIVISION OF INTRAMURAL RESEARCH
HO OFFICE OF THE NHLI DIRECTOR
JT JOINT (TWO OR MORE SUPPORTING INSTITUTES OR DIVISIONS)
LM NATIONAL LIBRARY OF MEDICINE
NS NATIONAL INSTITUTE OF NEUROLOGICAL DISEASES AND STROKE
OD OFFICE OF THE DIRECTOR, NIH
RG DIVISION OF RESEARCH GRANTS
RR DIVISION OF RESEARCH RESOURCES
RS DIVISION OF RESEARCH SERVICES
TW FOGARTY INTERNATIONAL CENTER

THE UNIVERSITY OF MICHIGAN LIBRARY

1. The University of Michigan Library is a part of the University of Michigan and is located in the University of Michigan Library Building, 400 Tappan Street, Ann Arbor, Michigan 48106-1500.

2. The University of Michigan Library is a part of the University of Michigan and is located in the University of Michigan Library Building, 400 Tappan Street, Ann Arbor, Michigan 48106-1500.

3. The University of Michigan Library is a part of the University of Michigan and is located in the University of Michigan Library Building, 400 Tappan Street, Ann Arbor, Michigan 48106-1500.

4. The University of Michigan Library is a part of the University of Michigan and is located in the University of Michigan Library Building, 400 Tappan Street, Ann Arbor, Michigan 48106-1500.

5. The University of Michigan Library is a part of the University of Michigan and is located in the University of Michigan Library Building, 400 Tappan Street, Ann Arbor, Michigan 48106-1500.

6. The University of Michigan Library is a part of the University of Michigan and is located in the University of Michigan Library Building, 400 Tappan Street, Ann Arbor, Michigan 48106-1500.

7. The University of Michigan Library is a part of the University of Michigan and is located in the University of Michigan Library Building, 400 Tappan Street, Ann Arbor, Michigan 48106-1500.

8. The University of Michigan Library is a part of the University of Michigan and is located in the University of Michigan Library Building, 400 Tappan Street, Ann Arbor, Michigan 48106-1500.

SUMMARY OF NEW GRANTS AND AWARDS ANNOUNCED DURING NOVEMBER 1973

INSTITUTE
OR
DIVISION

	NO.	RESEARCH GRANTS	DOLLARS	NO.	RESEARCH CONTRACTS	DOLLARS
AI						
AM	2		70,800	2		46,885
CA	17		3,323,476	1		45,000
CB						
CN				1		120,000
CP				3		260,771
DE				4		813,353
ES	1		14,548	1		18,810
EY	3		179,981	1		70,757
GM	2		53,631			
HD	8		470,989	2		497,004
HL	2		57,544			
LM	2		25,909			
NS	1		25,214	1		35,378
RR	4		329,970			
	42		4,552,062	16		1,907,958

THE UNIVERSITY OF CHICAGO

CHICAGO, ILL.

1900

1900

1900

1900

1900

1900

1900

1900

1900

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CALIFORNIA BERKELEY UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT BERKELEY HD07856-01 CA15184-01	CLAUSEN, JOHN A TOBIAS, CORNELIUS A	STUDY OF ATTITUDES OF WOMEN TOWARD THEIR PREGNANCY PRETHERAPEUTIC USE OF ACCELERATED HEAVY IONS	8,635 301,613
INSTITUTION TOTAL CITY TOTAL	2 2	310,248 310,248	
DAVIS UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT DAVIS CA15411-01	O'GRADY, LOIS F	CRYOPRESERVATION OF HUMAN MARROW	22,169
INSTITUTION TOTAL CITY TOTAL	1 1	22,169 22,169	
LOS ANGELES ESTELLE DOHENY EYE FOUNDATION EY00858-01A2	NESBURN, ANTHONY B	HERPES SIMPLEX OF THE EYE: PATHOGENESIS AND TREATMENT	74,950
INSTITUTION TOTAL	1	74,950	
UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT LOS ANGELES GM21201-01	WALTS, LEONARD F	EFFECT OF ANESTHESIA ON ELECTRICAL ACTIVITY OF THE BRAIN	37,626
INSTITUTION TOTAL CITY TOTAL	1 2	37,626 112,576	
SAN FRANCISCO UNIVERSITY OF CALIFORNIA SYSTEM--UNIVERSITY OF CALIFORNIA AT SAN FRANCISCO EY01204-01 NS11670-01	O'CONNOR, GEORGE R SHAH, SHANTILAL N	OCULAR TOXOPLASMOSIS DEVELOPMENTAL REGULATION OF BRAIN STEROL SYNTHESIS	44,444 25,214
INSTITUTION TOTAL CITY TOTAL	2 2	69,658 69,658	
STANFORD STANFORD UNIVERSITY CA15455-01 AM17199-01 CA14777-01	BAGSHAW, MALCOLM A KAPLAN, ERNEST N LUCAS, ZOLTAN J	EVALUATION OF RADIOTHERAPY FOR PROSTATIC NEOPLASMS PROLONGED SURVIVAL OF TISSUE CULTURED SKIN GRAFTS ANALYSIS OF HOST RESPONSE TO TUMOR ONCOGENESIS	70,650 30,800 60,000
INSTITUTION TOTAL	3	161,450	

* DOLLARS AWARDED INCLUDE DIRECT COSTS ONLY

NIH
RESEARCH GRANTS *DOLLARS
AWARDED

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CITY TOTAL	3	161,450	
STATE TOTAL	10	676,101	
CONNECTICUT FARMINGTON UNIVERSITY OF CONNECTICUT HEALTH CENTER RR00639-01A2 GLASEL, JAY A		SUPPORT FOR NMR BIOMEDICAL RESEARCH CENTER	135,030
INSTITUTION TOTAL	1	135,030	
CITY TOTAL	1	135,030	
NEW HAVEN YALE UNIVERSITY CA15317-01	CANELLAKIS, EVANGELO S	SYNTHESIS OF DOUBLE INTERCALATORS AS ANTICANCER AGENTS	15,300
INSTITUTION TOTAL	1	15,300	
CITY TOTAL	1	15,300	
STATE TOTAL	2	150,330	
IDAHO BOISE ST. LUKE'S HOSPITAL CA15192-01	LUCE, JAMES K	CANCER RESEARCH PROGRAM	112,000
INSTITUTION TOTAL	1	112,000	
CITY TOTAL	1	112,000	
STATE TOTAL	1	112,000	
ILLINOIS CHICAGO MICHAEL REESE HOSPITAL AND MEDICAL CENTER CA15640-01	KING, CHARLES M	MECHANISMS OF URINARY BLADDER TUMORIGENESIS	91,710
INSTITUTION TOTAL	1	91,710	
UNIVERSITY OF CHICAGO GA14599-01	ULTMANN, JOHN E	CANCER RESEARCH PROGRAM	1,700,000
INSTITUTION TOTAL	1	1,700,000	
CITY TOTAL	2	1,791,710	

* DOLLARS AWARDED INCLUDE DIRECT COSTS ONLY

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
--------------	------------------------	----------------------------	--------------------

STATE TOTAL	2	1,791,710	
-------------	---	-----------	--

INDIANA BLOOMINGTON INDIANA UNIVERSITY GM20800-01	SYSTEM--INDIANA UNIVERSITY AT BLOOMINGTON MC QUARRIE, DONALD A	FORCE BALANCE IN POLYELECTROLYTE SYSTEMS	16,005
--	---	--	--------

INSTITUTION TOTAL	1	16,005	
CITY TOTAL	1	16,005	

STATE TOTAL	1	16,005	16,005
-------------	---	--------	--------

KANSAS KANSAS CITY UNIVERSITY OF KANSAS CA15080-01 CA14386-01A1	LOWMAN, JAMES T UYEKI, EDWIN M	NATIONAL CANCER RESEARCH AND DEMONSTRATION CENTER TOXICITY OF ANTI-TUMOR DRUGS	110,000 27,265
---	-----------------------------------	---	-------------------

INSTITUTION TOTAL	2	137,265	
CITY TOTAL	2	137,265	

LAWRENCE UNIVERSITY OF KANSAS LM02054-01	STANNARD, JERRY	THE HISTORY OF THE MEDICINAL USES OF VEGETABLE GUMS	16,014
--	-----------------	---	--------

INSTITUTION TOTAL	1	16,014	
CITY TOTAL	1	16,014	

STATE TOTAL	3	153,279	16,014
-------------	---	---------	--------

MARYLAND BALTIMORE UNIVERSITY OF MARYLAND SYSTEM--UNIVERSITY OF MARYLAND PROFESSIONAL SCHOOLS HD08466-01	CHANNING, CORNELIA P	STUDY OF THE MECHANISM OF LUTEINIZATION	45,127
---	----------------------	---	--------

INSTITUTION TOTAL	1	45,127	
CITY TOTAL	1	45,127	

STATE TOTAL	1	45,127	45,127
-------------	---	--------	--------

NIH
RESEARCH GRANTS *

DOLLARS
AWARDED

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
MASSACHUSETTS CAMBRIDGE HARVARD UNIVERSITY HD07806-01	GOETHALS, GEORGE W	STUDY OF EFFECT OF CONTRACEPTIVES ON MARITAL HAPPINESS	29,717
INSTITUTION TOTAL	1	29,717	
CITY TOTAL	1	29,717	
WORCESTER UNIVERSITY OF MASSACHUSETTS SYSTEM--UNIVERSITY OF MASSACHUSETTS MEDICAL SCHOOL DE03818-01	MARKS, SANDY C, JR	THE ROLE OF THE OSTEOCLAST IN TOOTH ERUPTION	14,548
INSTITUTION TOTAL	1	14,548	
CITY TOTAL	1	14,548	
STATE TOTAL	2	44,265	
MINNESOTA ROCHESTER MAYO FOUNDATION HD08099-01 CA15083-01	LEE, CHING Y STEINFELD, JESSE L	MODE OF ACTION OF LUTEINIZING HORMONE SUPPORT FOR CANCER RESEARCH CENTER	57,230 562,744
INSTITUTION TOTAL	2	619,974	
CITY TOTAL	2	619,974	
STATE TOTAL	2	619,974	
MISSISSIPPI JACKSON UNIVERSITY OF MISSISSIPPI MEDICAL CENTER HL16193-01	DOUGLAS, BEN H	BLOOD PRESSURE, ELECTROLYTE REGULATION IN PREGNANCY	17,544
INSTITUTION TOTAL	1	17,544	
CITY TOTAL	1	17,544	
STATE TOTAL	1	17,544	
MISSOURI SAINT LOUIS WASHINGTON UNIVERSITY HD07464-01	VOLPE, JOSEPH J	REGULATION OF FATTY ACID SYNTHESIS DURING DEVELOPMENT	50,775
INSTITUTION TOTAL	1	50,775	
* DOLLARS AWARDED	INCLUDE DIRECT COSTS ONLY		

NIH
RESEARCH GRANTS *

DOLLARS
AWARDED

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CITY TOTAL	1	50,775	
STATE TOTAL	1	50,775	
NEW YORK			
BUFFALO			
NEW YORK STATE DEPARTMENT OF HEALTH--ROSWELL PARK MEMORIAL INSTITUTE			
CA15143-01	DAVE, CHANDRAKANT	BISGUANYLHYDRAZONES, POLAMINES AND CELL PROLIFERATION	36,577
INSTITUTION TOTAL	1	36,577	
CITY TOTAL	1	36,577	
NEW YORK			
COLUMBIA UNIVERSITY			
HD06132-01A1	VANDE WIELE, RAYMOND L	STUDY OF HUMAN REPRODUCTION	228,019
INSTITUTION TOTAL	1	228,019	
ROCKEFELLER UNIVERSITY			
RR00862-01	FIELD, FRANK H	A MASS SPECTROMETRIC BIO-TECHNOLOGY RESOURCE	67,028
INSTITUTION TOTAL	1	67,028	
CITY TOTAL	2	295,047	
STATE TOTAL	3	331,624	
OHIO			
COLUMBUS			
BATTELLE MEMORIAL INSTITUTE			
RR00665-01	FOLTZ, RODGER L	REGIONAL BIOMEDICAL MASS SPECTROMETRY RESOURCE	72,563
INSTITUTION TOTAL	1	72,563	
OHIO STATE UNIVERSITY			
EY01184-01	WYMAN, MILTON	DEVELOPMENTAL STUDY OF CONGENITAL GLAUCOMA	60,587
INSTITUTION TOTAL	1	60,587	
CITY TOTAL	2	133,150	
STATE TOTAL	2	133,150	

* DOLLARS AWARDED INCLUDE DIRECT COSTS ONLY

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
OREGON PORTLAND MEDICAL RESEARCH FOUNDATION OF OREGON CA15065-01 HL16661-01	FLETCHER, WILLIAM S HOWARD, CHARLES F, JR	OREGON COMPREHENSIVE CANCER PROGRAM RISK FACTORS AND ATHEROSCLEROSIS IN DIABETIC MONKEYS	101,491 40,000
INSTITUTION TOTAL	2		141,491
CITY TOTAL	2		141,491
STATE TOTAL	2		141,491
PENNSYLVANIA PHILADELPHIA UNIVERSITY OF PENNSYLVANIA CA15236-01	COOPER, RICHARD A	MONOCYTE DETECTION OF THE HUMAN CANCER CELL SURFACE	66,740
INSTITUTION TOTAL	1		66,740
CITY TOTAL	1		66,740
STATE TOTAL	1		66,740
TENNESSEE KNOXVILLE UNIVERSITY OF TENNESSEE SYSTEM--UNIVERSITY OF TENNESSEE AT KNOXVILLE RR00874-01	JONES, JIMMY B	ESTABLISHMENT OF A DIAGNOSTIC PATHOLOGY LABORATORY	55,349
INSTITUTION TOTAL	1		55,349
CITY TOTAL	1		55,349
NASHVILLE VANDERBILT UNIVERSITY AM17223-01	FLEISCHER, BECCA	THE ROLE OF GOLGI APPARATUS IN KIDNEY CELLS	40,000
INSTITUTION TOTAL	1		40,000
CITY TOTAL	1		40,000
STATE TOTAL	2		95,349
TEXAS HOUSTON UNIVERSITY OF TEXAS SYSTEM--UNIVERSITY OF TEXAS M. D. ANDERSON HOSPITAL AND TUMOR INSTITUTE HD007752-01	SCHLAMOWITZ, MAX	CELL MEMBRANE RECEPTORS FOR MATERNOFETAL TRANSFER OF IMMUNOGLOBULIN G	28,975
INSTITUTION TOTAL	1		28,975

* DOLLARS AWARDED INCLUDE DIRECT COSTS ONLY

NIH
RESEARCH GRANTS *

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
CITY TOTAL	1	28,975	
STATE TOTAL	1	28,975	
VIRGINIA			
CHARLOTTESVILLE			
UNIVERSITY OF VIRGINIA			
LM02071-01	SAVITT, TODD L	STUDY OF CARE OF BLACKS' HEALTH IN ANTE BELLUM SOUTH	9,895
INSTITUTION TOTAL	1	9,895	
CITY TOTAL	1	9,895	
STATE TOTAL	1	9,895	
PUERTO RICO			
SAN JUAN			
UNIVERSITY OF PUERTO RICO SYSTEM--UNIVERSITY OF PUERTO RICO AT RIO PIEDRAS			
CA14976-01	ISIDRO, MARTINEZ M	STUDY OF CANCER OF THE COLON & RECTUM IN PUERTO RICO	11,582
INSTITUTION TOTAL	1	11,582	
CITY TOTAL	1	11,582	
STATE TOTAL	1	11,582	
CANADA			
TORONTO			
HOSPITAL FOR SICK CHILDREN			
HD07826-01	BRYAN, M HEATHER	ROLE OF RESPIRATION IN SUDDEN INFANT DEATH	22,511
INSTITUTION TOTAL	1	22,511	
CITY TOTAL	1	22,511	
STATE TOTAL	1	22,511	
UNITED KINGDOM			
LONDON			
UNIVERSITY OF LONDON			
CA15000-01	ALEXANDER, PETER	EFFECT OF TUMOR GROWTH ON THE IMMUNE RESPONSE	19,260
INSTITUTION TOTAL	1	19,260	
CITY TOTAL	1	19,260	

* DOLLARS AWARDED INCLUDE DIRECT COSTS ONLY

NIH
RESEARCH GRANTS *DOLLARS
AWARDED

GRANT NUMBER	PRINCIPAL INVESTIGATOR	TITLE OF RESEARCH PROPOSAL	DOLLARS AWARDED
UNITED KINGDOM MANCHESTER UNIVERSITY OF MANCHESTER CA14992-01	STEWART, JAMES K	EPIDEMIOLOGICAL STUDY OF CHILDREN'S TUMORS	14,375
INSTITUTION TOTAL	1		14,375
CITY TOTAL	1		14,375
STATE TOTAL	2		33,635
TOTAL	42		4,552,062

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
CALIFORNIA SAN FRANCISCO SCIENTIFIC ANALYSIS CORPORATION HD42806-00	RUST, EDGAR C	STUDY OF POPULATION STABILITY OR DECLINE	41,356
INSTITUTION TOTAL CITY TOTAL	1 1	41,356 41,356	41,356
STANFORD STANFORD UNIVERSITY CN45044-00 CN45041-00	KENT, BARBARA E PAISLEY, WILLIAM J	DEVELOPMENT OF CANCER TRAINING PROGRAMS FOR THERAPISTS EVALUATION OF PUBLIC EDUCATION IN CANCER	105,449 83,945
INSTITUTION TOTAL CITY TOTAL	2 2	189,394 189,394	
STATE TOTAL	3	230,750	
GEORGIA ATLANTA EMORY UNIVERSITY CN45045-00	KALISH, RUTH A	DEVELOPMENT OF CANCER TRAINING PROGRAMS FOR THERAPISTS	71,377
INSTITUTION TOTAL CITY TOTAL	1 1	71,377 71,377	71,377
STATE TOTAL	1	71,377	
MARYLAND BETHESDA LITTON INDUSTRIES, INC.--LITTON BIONETICS CP43252-00	GRAVELL, MANETH	IMMUNOLOGIC STUDY OF VIRAL ETIOLOGY OF CANCER	269,977
CP43260-00	NORRIS, SHIRLEY	SUPPLY OF CANCER TISSUES	110,796
INSTITUTION TOTAL CITY TOTAL	2 2	380,773 380,773	
STATE TOTAL	2	380,773	
MASSACHUSETTS WORCESTER MASON RESEARCH INSTITUTE CB43914-00	BOGDEN, ARTHUR E	EVALUATION OF CANCER CHEMOTHERAPEUTIC AGENTS	120,000

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
INSTITUTION TOTAL	1	120,000	
CITY TOTAL	1	120,000	
STATE TOTAL	1	120,000	
MICHIGAN			
DETROIT			
MICHIGAN CANCER FOUNDATION			
CP43264-00	BRENNAN, MICHAEL J	SUPPORT FOR POPULATION-BASED CANCER REGISTRY	361,314
INSTITUTION TOTAL	1	361,314	
CITY TOTAL	1	361,314	
STATE TOTAL	1	361,314	
MINNESOTA			
DULUTH			
UNIVERSITY OF MINNESOTA			
ES42149-00	CARTER, ROBERT E	STUDY OF EFFECT OF ASBESTOS FIBERS ON TISSUES	70,757
INSTITUTION TOTAL	1	70,757	
CITY TOTAL	1	70,757	
STATE TOTAL	1	70,757	
NORTH CAROLINA			
CHAPEL HILL			
UNIVERSITY OF NORTH CAROLINA SYSTEM--UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL			
HD42804-00	UDRY, J RICHARD	STUDY OF MODEL OF REPRODUCTIVE BEHAVIOR	455,648
INSTITUTION TOTAL	1	455,648	
CITY TOTAL	1	455,648	
STATE TOTAL	1	455,648	
VIRGINIA			
NORFOLK			
NORFOLK AREA MEDICAL CENTER--EASTERN VIRGINIA MEDICAL SCHOOL			
AI42503-00	WRIGHT, GEORGE L, JR	FRACTIONATION OF ANTIGENIC COMPONENTS OF TB CULTURE	36,285
INSTITUTION TOTAL	1	36,285	
CITY TOTAL	1	36,285	

NIH
RESEARCH CONTRACTS

CONTRACT NUMBER	PROJECT DIRECTOR	SCOPE OF WORK	DOLLARS AWARDED
VIRGINIA SPRINGFIELD MELOY LABORATORIES CP43216-00	GIARD, DONALD J	STUDY OF NEOPLASTIC TRANSFORMATION	71,266
INSTITUTION TOTAL	1		71,266
CITY TOTAL	1		
STATE TOTAL	2		107,551
WASHINGTON SEATTLE UNIVERSITY OF WASHINGTON AM42201-00	SCHMER, GOTTFRIED	STUDY OF HEMODIALYSIS OF ARTIFICIAL KIDNEYS	45,000
INSTITUTION TOTAL	1		45,000
CITY TOTAL	1		
STATE TOTAL	1		45,000
WEST VIRGINIA MORGANTOWN WEST VIRGINIA UNIVERSITY NS42302-00	ADVANI, SUNDER H	STUDY OF RESPONSE OF BONES TO IMPACT INJURIES	35,378
INSTITUTION TOTAL	1		35,378
CITY TOTAL	1		
STATE TOTAL	1		35,378
CANADA LONDON UNIVERSITY OF WESTERN ONTARIO AI42500-00	STREJAN, GILL H	PRODUCTION OF ALLERGENS FROM ASCARIS SUUM	10,600
INSTITUTION TOTAL	1		10,600
CITY TOTAL	1		
STATE TOTAL	1		10,600
COLOMBIA BOGOTA INSTITUTE FOR TECHNOLOGICAL INVESTIGATIONS DE42431-00	MONCADA, FELIX	DEVELOPMENT OF PANELA CONTAINING INVERT SUGAR	18,810

DOLLARS
AWARDEDNIH
RESEARCH CONTRACTS

SCOPE OF WORK

PROJECT DIRECTOR

CONTRACT NUMBER

INSTITUTION TOTAL	1	18,810
CITY TOTAL	1	18,810
STATE TOTAL	1	18,810
TOTAL	16	1,907,958



<http://nihlibrary.nih.gov>

10 Center Drive
Bethesda, MD 20892-1150
301-496-1080

NIH LIBRARY



4 0053 9152

DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE
NATIONAL INSTITUTES OF HEALTH
BETHESDA, MD. 20014

OFFICIAL BUSINESS
PENALTY FOR PRIVATE USE \$300

PO
U.S.

